

A large, solid black silhouette of a building with a prominent dome and a tall spire, set against a light background. The building is positioned on the left side of the cover, with its base extending towards the bottom right.

KUDOS

A REVIEW OF
FACULTY SCHOLARSHIP
& CREATIVE ACTIVITY
1996-97

Centenary College of Louisiana

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CENTENARY COLLEGE OF LOUISIANA

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COMPILED AND EDITED BY

THE OFFICE OF THE PROVOST

AND

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ACKNOWLEDGMENTS

I wish to congratulate the faculty on the accomplishments acknowledged in this publication and express my appreciation to the offices of the provost and public relations for bringing this project to fruition.

Kenneth L. Schwab
President of the College

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Robert F. Harrelis

Provost and Dean of the College

FROM THE CHIEF ACADEMIC OFFICER

One of the many sources of distinction at Centenary College is the scholarly record of William Marbury Carpenter, a member of the inaugural faculty of the college, who conducted research with the renowned naturalist, James Audubon, and with the prominent geologist, Charles Lyell, who was a definer of the modern discipline of geology and a scientific resource for the work of the evolutionist Charles Darwin. If that were not enough in itself, Carpenter was also a scientific notable because of post-Centenary service as dean of Louisiana's first medical school (the forerunner of Tulane University), as the first person to scientifically describe the botany and geology of Louisiana and the first to calculate the water volume flowing through the great Mississippi River.

Both nationally and internationally known as a scientist, Carpenter was elected to the Philadelphia Academy of Sciences, the distinguished body established by Benjamin Franklin, which ranked as the supreme scholarly achievement in the United States prior to the founding of the National Academy of Sciences. On the basis of these accomplishments, coupled with those of others who perpetuate Carpenter's heritage, we can rightly claim that Centenary has historically dedicated itself to the duality that characterizes all great institutions of higher education: a commitment to the teaching excellence for which Centenary has come to be known and to the kind of scholarly investigation and creative activity that both supports great teaching and inspires students to emulate the luster of their intellectual mentors on the faculty.

In this first edition of *Kudos*, a new publication of Centenary College, we begin an annual chronicle of the scholarly and creative achievements of our latter-day Carpenters of every discipline and orientation. *Kudos* will seek to document faculty distinction, not only for the enlightenment and benefit of members of the campus community, but also for alumni and others with an interest in the institution. The publication will confirm what persons in academic disciplines represented at the college know already: that we are an institution of committed teacher-scholars that takes pride in those who perpetuate the Carpenter tradition, committing themselves both to high-quality teaching and the advancement and dissemination of knowledge.

What follows is a summary of the scholarly and creative accomplishments of the faculty, and it is impressive, given the fact that it represents the work of but a single year. Consistent with our character as a teacher-scholar community, it will come as no surprise that the lead article in this inaugural issue features the research agenda of a recent recipient of Centenary's outstanding teacher award and the 1998 Louisiana Professor of the Year. We pledge to our readers that we will offer new chapters in an illustrious history of college scholarship and creative activity in subsequent years.

Having made that commitment, we offer *Kudos* herewith - to our community and the world of scholarship at large - as an institutional expression of pride in the accomplishments of our fine faculty.

Robert P. Bareikis

Provost and Dean of the College

OUTSTANDING TEACHING AWARD 1996



Dr. Dana Kress and French Students

DR. DANA KRESS, ASSOCIATE PROFESSOR OF FRENCH

"A way with students and a scholar as well."

That's one description of Dr. Dana Kress, Centenary's Outstanding Teacher for 1996-97. He was chosen by a vote of his students and his peers for the annual honor, which highlights the College's student-centered tradition and its emphasis on the importance of teaching.

Dr. Kress has worked with students to help them garner many prestigious scholarships and to participate in numerous exchange programs and internships. French students have made national and international headlines with their newspaper *Le Tintamarre*, which became the first student-run

French-language newspaper in the country.

Following on the newspaper's heels came the first regular French language student radio programs in the country on Centenary's KSCL.

Dr. Kress has also done groundbreaking research on French artist Jean Despujols, whose Indochina collection is housed at Centenary's Meadows Museum of Art. Several articles are planned for the publications *Louisiana Cultural Vistas* and *Curator, The Museum Journal*.

Upon receiving his Ph.D. in French from Vanderbilt University in 1992, Dr. Kress came to Centenary as an assistant professor of French. He has worked extensively with the Despujols collection and the Meadows Museum, with the Centenary Plan and the College's intercultural experience program.

He established the Theodore Beck Award for the outstanding senior French major and helped secure several CODOFIL (Council for the Development of French in Louisiana) and Belgian government scholarships for Centenary students. In 1995, Dr. Kress published *The Orlando Legend in Nineteenth-Century French Literature*.

Other awards and grants received by Dr. Kress include a grant from the Shreveport Art Guild for photographic documentation of the Despujols collection, the Centenary Alumni Research Grant to fund research on Despujols, and the Outstanding Teaching Award at Vanderbilt in 1989.

ARTISTIC PERFORMANCES AND EXHIBITS

LETA CARSON, Ed and Gladys Hurley Professor of Music, performed in the Make a Difference concert of the Shreveport Symphony.

ROBERT BUSEICK, Professor of Theatre and Speech, directed *Funny Girl*, *Merrily We Roll Along*, *The House of Bernarda Alba*, and *The Diary of Anne Frank* for Marjorie Lyons Playhouse. He also wrote the script for a presentation by the Holiday in Dixie Cotillion Club.

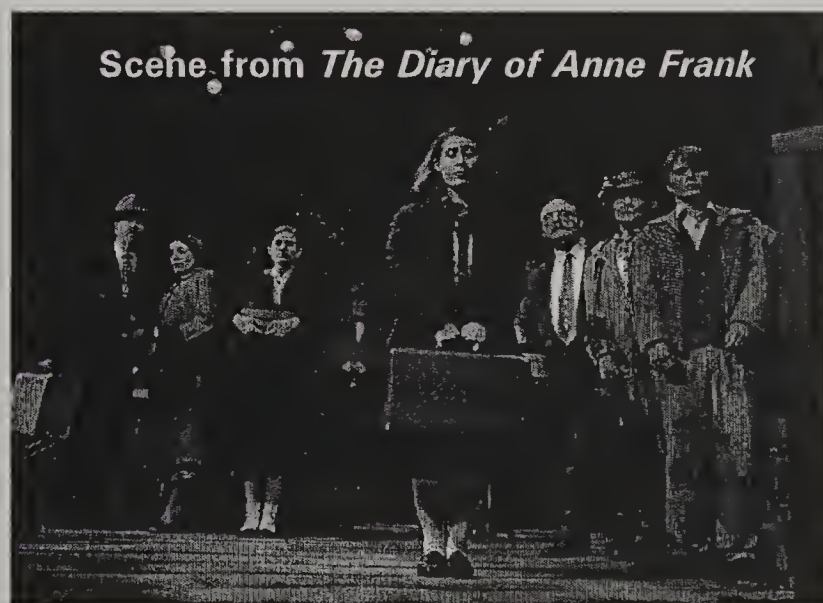
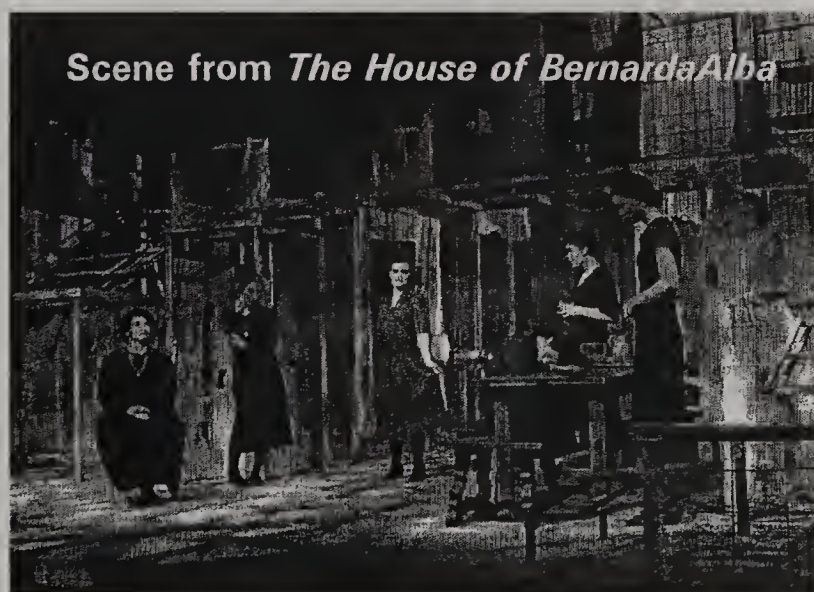
HORACE ENGLISH, Professor of Music, performed in productions of Mozart's *Requiem* by the Shreveport Symphony, Bach's *Magnificat* by Noel Methodist Church, Handel's *Messiah* by Louisiana College, *Rigoletto* by the Shreveport Opera, Rossini's *Barber of Seville* by the Longview Opera, and Schelle's *Heilger Vater* by the Baroque Artists of Shreveport.

GINGER FOLMER, Professor of Dance, choreographed productions of *Little Me* for the Shreveport Little Theatre, *Kiss Me Kate* for the Performing Arts Center, and *Time Remembered* for the East Bank Theatre.

GALE ODOM, Professor of Music, took part in the Shreveport Symphony's performance of Mozart's *Requiem*.

THOMAS STONE, Assistant Professor of Music, was guest conductor for the Louisiana District III Honor Band and the Emory Wind Ensemble.

DON HOOPER, Associate Professor of Theatre and Speech, contributed to the conceptual development of a children's play based on William Joyce's *The Leaf Men*.



BOOKS, EDITIONS, AND TEXTBOOKS

AUTHORED

MARK GRUETTNER, Assistant Professor of German, authored *Intertextualität und Zeitkritik in Günter Grass' Kopfgeburten und Die Rättin*. Tübingen, Germany: Stauffenburg Verlag, 1997.

EDITED

JEFFERSON HENDRICKS, Associate Professor of English, co-edited *Madrid 1937: Letters from the Abraham Lincoln Brigade During the Spanish Civil War*. Ed. Cary Nelson and Jefferson Hendricks. New York and London: Routledge, 1996.

CHAPTERS

DON DUPREE, Visiting Assistant Professor of Religion, published poems "Love Letter" and "Faith Works" in *HomeWorks: A Book of Tennessee Writers*. Phyllis Tickle and Alice Swanson, eds. Knoxville: University of Tennessee Press, 1996.

KATHERINE FELL, Associate Professor of English; DAVID HAVIRD, Associate Professor of English; JEFFERSON HENDRICKS, Associate Professor of English; EARLE LABOR, George A. Wilson Professor of American Literature; GEORGE NEWTOWN, Professor of Liberal Arts; and STEVEN SHELBURNE, Associate Professor of English, contributed to *Rationality and the Liberal Spirit: A Festschrift Honoring Ira Lee Morgan*. Ed. The Centenary College Department of English, 1997.

EARLE LABOR, George A. Wilson Professor of American Literature, published "Jack London: Impassioned Realism and the Literary Marketplace" in *The Literary Man: Essays Presented to Donald W. Hannah*. Ed. Karl-Heinz Westarp. Aarhus, Denmark: Aarhus University Press, 1996: 155-63, and "Afterword" in *Rereading Jack London*. Ed. Leonard Casuto and Jeanne Campbell Reesman. Stanford, CA: Stanford University Press, 1996: 217-23.

LEE MORGAN, Willie Cavett and Paul Marvin Brown, Jr., Professor of English, published "Dr. Johnson and the Martial Spirit" in *The Literary Man: Essays Presented to Donald W. Hannah*. Ed. Karl-Heinz Westarp. Aarhus, Denmark: Aarhus University Press, 1996.

TEXTBOOKS

MARK FISCH, Associate Professor of Sociology, compiled the first edition of selected readings in *Criminology*, published by Dushkin Publishing Group / Brown & Benchmark Publishers, Sluice Dock, Guilford, CT.

LAB MANUALS

JEFF TRAHAN, Cornelius D. and Florence Gillard Keen Professor of Physics, coauthored an algebra-trigonometry-based and a calculus-based version of *General Physics Laboratory for the 21st Century: A Fundamentals Research Approach*. Houston, TX: Dame Publications, 1996.

BOOK REVIEWS

JOHN PEEK, Associate Professor of Political Science and Arthur and Emily Webb Professor of International Studies, contributed reviews of *Political Bribery in Japan* to *Choice*, April 1977, 34:8, and *Japan Under Construction: corruption, politics, and public works* to *Choice*, October 1996, 34:2.

SAMUEL SHEPHERD, Professor of History, reviewed *Avenues of Faith: The South as an American*

Problem for *Louisiana History*, 38:3, and *Judgement and Grace in Dixie* for *The Journal of Southern History*, 63:1.

MARK GRUETTNER, Assistant Professor of German, published a book review on *Environmental Literature of the 19th Century* in *German Studies Review*, 20:1, 190-191.

PUBLISHED SCHOLARLY ARTICLES AND CREATIVE WRITING

KENNETH AIZAWA, Charles T. Beaird Associate Professor of Philosophy, published "Exhibiting versus Explaining Systematicity: A Reply to Hadley and Hayward," in *Mind and Machines*, 7 (1997): 39-55.

MARY BARRETT, Associate Professor of Geology, published "A Discussion and Problem Identifying Session on Segment 404, Cypress Basin Watershed, Northeast Texas" in *Texas State 1996 Regional Assessment of Water Quality*, F:10.

DAVID BIELER, Associate Professor of Geology, had his work on "Rock Cleavages" appear in *Encyclopedia of Sciences and Technology*, 8th ed., 15:606-607.

BARBARA DAVIS, Associate Professor of Accounting, had an article on "Executive Compensation and Financial Performance in the Real Estate Industry" published in the *Journal of Real Estate Research*, 10:2: 141-151.

RONALD DEAN, Professor of Music, had a review of The National Meeting of the Organ Historical Society's national meeting published in the international monthly journal of the International Society for Organ History and Preservation, *The Diapason*, (December, 1996).

DON DUPREE, Visiting Assistant Professor of Religion, published an article entitled "High Serious Play" in *Sewanee Review*, CIV:1 (Winter, 1997).

JAMES FARRAR, Professor of Health and Exercise Science, had an article on "Overuse of the Pitching Arm: Signs and Prevention" published in the *Collegiate Baseball Newspaper*, Tucson, AZ (March 21, 1997).

MARK GRUETTNER, Assistant Professor of German, published "Günter Grass" in *Encyclopedic History of Modern Germany* and "Zwischen Waldromantik und Kahlschlag: Tote Wälder bei Günter Grass, Richard Manning, William Dietrich und Robert Bateman," in *Natur, Räume, Landschaften: 2. Internationales Kingstoner Symposium*. München, Germany: Iudicium Verlag (1996): 221-233.

DAVID HAVIRD, Associate Professor of English, had a piece on Allen Tate published in *American National Biography* and poems as follows:
"Autograph," by *The Cresset* 60.5 (Easter 1997);
"Immortal Ithaka," by *Verse* 14.1 (1997): 53-54;
"Penelope's Design," by *Seneca Review* 27.2 (Fall 1997): 61-62; "Midnight Oil," "Charon's Metamorphosis," "Late Thaw," and "Church Retreat" by *Louisiana English Journal* 4.2 (1997): 34-38.

DAVID HOAAS, Associate Professor of Economics, had the following articles published: "The Alleviation of Free-Riding: A Research Program Report," *Classroom Experiences*, 5:2: 1-5; "Investment Signaling in Public Goods Experiments," *Atlantic Economic Journal*, 25:3; "An Experimental Assessment of Students' Ethical Perceptions," *Southwestern Business Symposium Proceedings* (April 10 and 11, 1997): 283-288 (with Jo Ann Christensen); and "Sidney Weintraub," *An Encyclopedia of Keynesian Economics*, ed. Thomas Cate. Cheltenham, UK: Edward Elgar Publishing Ltd. (1997): 630-632.

DANA KRESS, Assistant Professor of French, published "French Indochina Through the Camera's Eye" in *Louisiana Cultural Vistas* (Fall 1997): 26-37; "Portraits of Indochina: Jean Despujols" in *Vietnam* (July-August 1997): 27-33; "Jean Despujols" in *Curator*, American Museum of Natural History (March 1997); and "Sacred and Profane: The Taboo Collection of Jean Despujols" in *Louisiana Cultural Vistas* (Fall 1996): 24-33.

EARLE LABOR, George A. Wilson Professor of American Literature, published "Jack London" in the *Dictionary of National Biography*.

JERRY LISANTTI, Associate Professor of Physics, co-authored "Effective Isovector NN Interaction Strengths Determined from the $^{28}\text{Si}(p,p')^{28}\text{Si}(6^+, T=1)$ Reaction," *Physical Review Letters* 78, 9 March 3, 1997; "Fine structure of the giant isoscalar quadrupole resonance in ^{208}Pb observed in high-resolution (e,e') and (p,p') experiments," *Physical Review C* 55, 2101 (1997);

"First Observation of the $p\lambda \rightarrow s\lambda$ γ -Ray Transition in ^{13}C ," *Physical Review Letters* 4343, V78 (1997); and "Evidence for the Isoscalar Giant Dipole Resonance in ^{208}Pb Using Inelastic α Scattering at and Near 0" in *Physical Review Letters* V79, 609 (1997).

HELEN MASON, Assistant Professor of Accounting, published "Stock Splits, An International Investor Preference" in the *The Finance Review*.

GEORGE NEWTOWN, Professor of Liberal Arts, published "Viewing the Father from the Closet: Frederick Douglass Observes the Lessons of Power" in the proceedings of the 1996 All By Myself autobiography conference held by Rijksuniversitat in the Netherlands.

ARNOLD PENUUEL, Professor of Spanish, published "Symbolism and the Clash of Cultural Traditions in Colonial Spanish America in García Márquez's '*Del amor y otros demonios*'" in *Hispania* 80 (March 1997): 38-48.

BARRIE RICHARDSON, Samuel Guy Sample Professor of Business Administration and Dean of the School of Business, published "AIDS: An Economic Model of Risky Sexual Behavior" in *Southwestern Economic Proceedings*.

JUAN RODRIGUEZ, Associate Professor of Physics, published research on "The Molecular Dynamics of Benzene-Argon Composites" in the proceedings of the Fourth International Conference on Composites Engineering (Hawaii, 1997): 825-826. His four co-authors were Centenary students: Richard Hasty, Elton Graugnard, Jason Ring, and Craig Martin.

STEVEN SHELBURNE, Associate Professor of English, published "Curriculum Wars: Pragmatism as Truce" in *The Journal of Contemporary Thought*, 6 (1996): 155-167.

THOMAS STONE, Assistant Professor of Music, published a composition, "Ancient Visions," for concert band (1997) and two transcriptions: "Luigi Boccherini: Pastorale" for chamber winds (1997) and

"Pierre LaPlante: Serenade on May Day Carol" for string orchestra (1997) in Daehn Publications.

YVONNE ILKE YAZ, Associate Professor of Mathematics, published "A New Formulation of Some Discrete-Time Stochastic-Parameter Estimation Problems," (with E.E. Yaz), in *The Proceedings of 34th Annual Allerton Conference on Communication, Control and Computing*: 152-159, and in *Applied Mathematics Letters*, 10: 6: 13-19.

SCHOLARLY PRESENTATIONS

KENNETH AIZAWA, Charles T. Beaird Associate Professor of Philosophy, gave a paper on "Connectionism and the Philosophy of Psychology" at the University of Ljubljana.

MARY BARRETT, Associate Professor of Geology, made a presentation to the Texas Natural Resource Conservation Commission on "Poultry-Related Water Pollution, Section 404, Cypress Valley Watershed."

HAROLD CHRISTENSEN, Professor of Economics and Director of the Economic Education Center, and ELIZABETH RANKIN, Associate Professor of Economics, gave a joint presentation on "A Purely Competitive Paradigm: Producer Behavior in Hugoton Natural Gas Field" to the Missouri Valley Economic Association. They also collaborated on "Life Aboard the John Maynard Keynes: The Fictional Economist of John D. Macdonald" for the Western Social Science Association and "The Big and Small Market in Major League Baseball: Myth and Reality" for the Southwestern Society of Economics.

HAROLD CHRISTENSEN, Professor of Economics and Director of the Economic Education Center, BARBARA DAVIS, Associate Professor of Accounting, and HELEN MASON, Assistant Professor of Accounting, presented their research on "The Relationship of Bank Performance and Local

Economic Activity" to the Southwestern Society of Economics.

BARBARA DAVIS, Associate Professor of Accounting, gave a talk on "The Effect of Ownership Concentration on Executive Compensation in Public-Held Companies" to the Southwest Finance Association.

BARBARA DAVIS, Associate Professor of Accounting, and HELEN MASON, Assistant Professor of Accounting, delivered a paper on "Cooperative Learning in the Individual Income Taxation Classroom: Putting on a Different Suit" at a meeting of the Southwest Accounting Association.

BARBARA DAVIS, Associate Professor of Accounting, HELEN MASON, Assistant Professor of Accounting, and a student, Jim Reburn, discussed their research on "Institutional Investor Preferences: A Case for Management Concern" at the Southern Finance Association.

DON DUPREE, Visiting Assistant Professor of Religion, gave a presentation on "Alchemy: Failed Revolution of the Seventeenth Century" at the University of Wales.

MARK FISCH, Associate Professor of Sociology, spoke on "Tribulations and Triumphs: The Dis-

ciplinary Undergraduate Course" at a meeting of the American Sociology Association.

MARK GRUETTNER, Assistant Professor of German, presented a paper on "German Literature and the Intertextual Discourse on Genetic Technology" at Texas Tech University, Lubbock, TX.

RODNEY GRUNES, Professor of Political Science, gave a presentation to the Southwest Social Science Association on "Moving Undergraduate Teaching to the Front Burner."

JEFFERSON HENDRICKS, Associate Professor of English, gave a talk on "Winds of Another Sphere: Edwin Rolf's Spanish Civil War Poetry as Moral Geography" at the South Central Modern Language Association annual meeting..

DANA KRESS, Associate Professor of French, spoke on "Jean Despujols: The Indochina Connection" at L'Alliance Francaise de Houston.

EARLE LABOR, George A. Wilson Professor of American Literature, presented "Stopping by the Woods on a Snowy Evening: A Poetic Mandela" at the International Robert Frost Symposium.

BETH LEUCK, Professor of Biology, gave presentations on "Using Computer Simulations to Enhance Discovery-Based Learning" and "Use of LOGAL Probes and Software in Physiology Laboratories" at the Louisiana Academy of Sciences meeting.

EDWIN LEUCK II, Professor of Biology, gave talks to the Louisiana Native Plant Society on "The Genus Quercus in the Ark-La-Tex," the Beaver Island Historical Society on "The Wildflowers of Beaver Island," and the Southwestern Association of Naturalists on "A Five-Year Study of Plant Succession at an Abandoned Beaver Dam on Beaver Island."

JERRY LISANTTI, Associate Professor of Physics, spoke to the Louisiana Academy of Sciences on "Laboratory Experiments for the First Semester Calculus-Based Physics Course."

GEORGE NEWTOWN, Professor of Liberal Arts, delivered a paper at the Autobiography Conference in the Netherlands on "Viewing the Father from the Closet: Frederick Douglass Defines (Him) Self."

GALE ODOM, Professor of Music, gave a presentation at LSUS on "Women in the Sacred Arts."

JOHN PEEK, Associate Professor of Political Science, gave a talk at the Southwest Conference on Asian Studies entitled "Japan, the UN, and Global Leadership."

ARNOLD PENUEL, Professor of Spanish, presented a paper entitled "The Contingency of Reality in García Márques' 'Un señor muy viejo con unas alas enormes'" at the Louisiana Conference on Hispanic Languages and Literatures.

ELIZABETH RANKIN, Associate Professor of Economics, delivered a paper at a meeting of the Academy of Finance and Economics on "Determining Salaries Across Academic Institutions: The Case of Professors of Business Administration and Management" and at the Southwest Society of Economics conference on "Economists' Salaries: Differences Due to Type of Academic Institution."

BARRIE RICHARDSON, Samuel Guy Sample Professor of Business Administration and Dean of the School of Business, gave a talk on "Public Lies, Private Truths" at the Southwest Finance Association meeting.

STEVEN SHELBURNE, Associate Professor of English, presented "The Production of the Study" to the Early Modern Cultural Studies Society, "The Modern Library and the Enlightenment of Self" to the British Library Association, and "Internet Across the Disciplines: History of Ideas On-line" at the E-Tech '97 Conference.

THOMAS TICICH, Assistant Professor of Chemistry, gave a presentation on "Laser-induced Incandescence: Primary Particle Size" at the NASA-Lewis Research Center.

SCOTT VETTER, William C. Woolf Associate Professor of Geology, delivered a presentation on "Geochemistry of the Banbury Basalts" at the regional meeting of the Geological Society of America.

DON WILCOX, Professor of Business, gave a talk on "The Case of the Missing Factor: The Convergence of Entrepreneurship in Principles of Economics Textbooks" at the Southwestern Finance Association meeting.

YVONNE ILKE YAZ, Associate Professor of Mathematics, presented "A New Formulation of Some Discrete-Time Stochastic-Parameter Estimation Problems" at the 34th Annual Allerton Conference on Communication, Control and Computing, Monticello, IL.

SCHOLARLY PANELS

KENNETH AIZAWA, Charles T. Beaird Associate Professor of Philosophy, chaired a session on Individualistic Syntactic Engines for the Central Division of the American Philosophical Association.

BARBARA DAVIS, Associate Professor of Business, served as discussant and panel chair at the annual meeting of the Southern Economics Association.

MARK FISCH, Associate Professor of Sociology, participated in a roundtable on "A Human Ecology

Theory of Integrational Structural Change in the US" at a meeting of the American Sociological Association.

VICTORIA LEFEVERS, Professor of Health and Exercise Science, participated as a discussant at the International Congress on Health, Physical Education, Recreation, and Dance.

PROFESSIONAL WORKSHOPS

MARY BARRETT, Assistant Professor of Geology, attended a Project Kaleidoscope (PKAL) workshop on Interdisciplinary Approaches to Teaching Science and Mathematics at Colby College in Waterville, ME.

DAVID BEDARD, Professor of Health and Exercise Science, participated as co-director of the Louisiana Association of Health, Physical Education, Recreation, and Dance (LAHPERD) State Conference on NCAA Athletic Certification, and as program director for the University Section of the conference in Shreveport, LA.

ROBERT BUSEICK, Professor of Theatre, attended workshops offered by the Association for Theatre in Higher Education and the Kennedy Center in Chicago, IL.

JOEL CANNON, Gus S. Wortham Associate Professor of Engineering, and Jeff Trahan, Cornelius D. and Florence Gillard Keen Professor of Physics, participated in a Kaleidoscope (PKAL) workshop in Baton Rouge, LA, as part of a project on Revitalizing Introductory Physics.

STEPHEN CLARK, Associate Professor of Classics and French, attended an Associated Colleges of the South (ACS) workshop for Classicists held at Rhodes College, Memphis, TN.

HORACE ENGLISH, Professor of Music, participated in the Summer Vocal Arts Institute at the University of California in Los Angeles.

GALE ODOM, Professor of Music, took part in a workshop offered by the Southern Regional Conference of the National Association of Teachers of Singing at Mississippi College in Clinton, MS.

THOMAS STONE, Assistant Professor of Music, attended music workshops offered by the Midwest Band and Orchestra Clinic in Chicago, IL, the Four-States Band Festival in Texarkana, and the Wind Studies Collegium at the University of North Texas at Denton.

HOWARD HUGHES GRANT

CENTENARY RECEIVES \$600,000 FOR BIOSCIENCES, RESEARCH, EQUIPMENT FROM HOWARD HUGHES MEDICAL INSTITUTE

In the summer of 1996, Centenary became one of only 52 colleges and universities in the nation to share in \$45.4 million in grants from the Howard Hughes Medical Institute of Chevy Chase, Md. The four-year grants provide major support for institutions seeking to strengthen their undergraduate education programs in the biomedical sciences.

Centenary's grant totaled \$600,000 and provides for:

- renovation of laboratories and new equipment to serve a new biosciences core program, including biology, chemistry and biophysics;
- start-up funding for a new faculty member in neurobiology;
- a multi-year research program for undergraduates, beginning in the pre-freshman summer, at sites both on and off campus;
- support for faculty development opportunities; and
- a summer research program and travel to science meetings for high school students and teachers.

During 1996-97, programs that promote student research and the broadening of access to science were under way via stipends to students for summer research, travel to regional scientific meetings and student research projects. The first high school

HHMI Grants Team Members 1996-97

Administration of the HHMI Centenary program was the responsibility of:

- **Dr. A. Bradley McPherson, Warters Professor of Biology**
- **Dr. Ernest Blakeney, Grayson Professor of Chemistry**
- **Dr. Juan Rodriguez, Associate Professor of Physics**
- **Dr. André Blanchard, Broyles Inaugural Year Research Professor**

students and teachers were brought to Centenary in the summer of 1997 as participants in three research components. The purpose was to enhance students' interest in careers in the biomedical sciences and to augment the teachers' knowledge of contemporary research in the field and the teaching of science through student research.

Centenary President Kenneth L. Schwab said the Institute's grant under the Undergraduate Biological Sciences Education Program marked a high point in the college's 171-year history and was the largest

science grant Centenary has ever received. "Such a significant investment in our bioscience education initiative promises to elevate the educational opportunities for pre-college students, undergraduates and graduates throughout the Arkansas-Louisiana-Texas region," he said. "We are pleased to have been among a select group of institutions invited to apply to the Howard Hughes Medical Institute. Our selection offers testimony to Centenary's commitment to excellence in the liberal arts and sciences," Dr. Schwab said.

The Institute invited applications from 201 public and private master's and baccalaureate colleges and universities, and schools of engineering and technology. Of those, 189 institutions submitted proposals, which were reviewed by an external panel of distinguished scientists and educators. The panel provided guidance to HHMI's trustees, who approved the grants.

The 52 awardees are located in 24 states. They include 45 institutions that have previously received grants from HHMI's Undergraduate Biological Sciences Education Program. "It is my fervent hope that this grant inaugurates an on-going relationship between Centenary College and the Howard Hughes Medical Institute," Dr. Schwab said.

The 1996 grants brought the amount awarded since 1988 through the undergraduate biological sciences program to more than \$335 million, the largest private initiative in U.S. history to enhance undergraduate science education at colleges and universities.

The grant will enable Centenary to budget \$280,800 over a four-year period for the renovation of two laboratories and to purchase equipment including computers and software, a PTI modular emission spectrometer, digital oscilloscope, a

molecular imaging system and a fluorescence microscope and accessories.

Faculty members will travel to training sites, including the University of Pennsylvania and Louisiana State University in Baton Rouge. In addition, a new faculty member is to be added in neurobiology, with an emphasis on molecular neurobiology and neural imaging, to expand the disciplinary scope of the Biology Department in teaching and student research. The faculty member will also serve as a liaison to Louisiana State University Medical Center, which has targeted neurobiology as a research focus and sponsors off-campus research for college students.

Administration of the program is the responsibility of Dr. A. Bradley McPherson, Warters Professor of Biology at Centenary, and his fellow grants team members Dr. Ernest Blakeney, Grayson Professor of Chemistry; Dr. Juan Rodriguez, Associate professor of Physics; and Dr. André Blanchard, Broyles Inaugural Year Research Professor.

In making the announcement of grants, HHMI President Purnell W. Choppin said, "These colleges and universities do an excellent job of preparing students for careers in scientific research, teaching, medicine and related fields. The grants will help them provide students with more opportunities to carry out research in modern laboratories with state-of-the-art equipment. Many of the campuses also will reach out to help science teachers and schools in their communities. Our goal is to get students of all ages, including women and minorities, involved in real scientific exploration instead of just memorizing facts from books."

GRANTS RECEIVED

KENNETH AIZAWA, Charles T. Beaird Associate Professor of Philosophy, and YVONNE ILKE YAZ, Associate Professor of Mathematics, received a grant from the Louisiana Educational Quality Support Fund (LEQSF) for a computer lab for the cognitive sciences. (\$18,000)

ERNEST BLAKENEY, Velma Davis Grayson Associate Professor of Chemistry, received a grant from the Louisiana Educational Quality Support Fund (LEQSF) for instrumental tools for enhanced teaching of biomolecular science. (\$20,332)

ROBERT BUSEICK, Professor of Theatre and Speech, received funding from the annual Theatre Festival through the Louisiana Division of Arts. (\$6,400)

JOEL CANNON, Gus S. Wortham Associate Professor of Engineering, received research support under a National Science Foundation Research Opportunity Award. (\$9,000)

GINGER FOLMER, Professor of Dance, received a grant from the Louisiana State Decentralized Funding Grant for Caddo and Bossier Parishes. (\$12,349)

DANA KRESS, Assistant Professor of French, received grants from the Louisiana Endowment for the Humanities for an exhibit on French Colonial Realism (\$10,150); the Shreveport Art Guild to support his research on Jean Despujols (\$2,500); and from the French Consulate for a student newspaper in French (\$1,000).

BETH LEUCK, Professor of Biology, received a grant from the Louisiana Enhancement Quality Support Fund. (\$63,000)

JUAN RODRIGUEZ, Associate Professor of Physics, received a grant to support laser oxygenation tomography from the Center for Biomedical Technology Innovation. (\$86,886)

GEORGE NEWTOWN, Professor of Liberal Arts, and STEVEN SHELBURNE, Associate Professor of English, obtained from the Associated Colleges of the South a grant for the development of on-line courses. (\$68,000)

THOMAS TICICH, Assistant Professor of Chemistry, received a grant for equipment from the Camille and Henry Dreyfus Foundation. (\$15,000)

JOHN TURNER, Associate Professor of Education, and SCOTT VETTER, William C. Woolf Associate Professor of Geology, received a grant for a Northwest Louisiana Earth Science Teacher Enhancement Program from the Louisiana Systemic Initiatives Program (LaSIP). (\$113,000)

SCOTT VETTER also obtained a grant from the National Science Foundation on Spatial and Temporal Variations of Snake River Basalts. (\$45,200)

AWARDS AND HONORS

KENNETH AIZAWA, Charles T. Beaird Associate Professor of Philosophy, was awarded a post-doctoral fellowship for the spring term at the University of Maryland-College Park.

ROBERT BUSEICK, Professor of Theatre and Speech, received *The* (Shreveport) *Times* drama award for his productions of *The Dairy of Anne Frank* and *Oliver*.

STEPHEN CLARK, Associate Professor of Classics and French, was selected to participate in a National Endowment for the Humanities summer seminar for college teachers on The Augustan Age at the University of Texas at Austin.

RODNEY GRUNES, Professor of Political Science, was awarded first prize in the category of law-related editorials by the Louisiana Bar Association. During the course of the year he contributed 50 editorials to the "Journalpage" of *The* (Shreveport) *Times*.

DON HOOPER, Associate Professor of Theatre and Speech, received the Times Drama Award for technical production for the *Diary of Anne Frank* and *Oliver*.

VICTORIA LEFEVERS, Professor of Health and Exercise Science, was selected to participate in a summer study tour of Japan as part of the Fulbright-Hayes Group Study Program.

STEVEN SHELBURNE, Associate Professor of English, was invited to serve on the summer faculty of the British Studies at Oxford Program of the Associated Colleges of the South.

THOMAS TICICH, Assistant Professor of Chemistry, was awarded a National Aeronautics and Space Administration - American Society of Engineering Education (NASA-ASEE) Summer Faculty Fellowship.

FACULTY/STUDENT RESEARCH

ANDRÉ BLANCHARD, Assistant Professor of Biology, advised two students, April Callaway and Jason Hoffman, with poster presentations on molecular and cellular physiology at the LSU Medical Center.

BETH LEUCK, Professor of Biology, advised Tim Dayton with "Long-Term and Short-Term Mating Strategies by Females in a Singles Bar in Bossier City" which was presented to the Louisiana

Academy of Sciences, and Kate Dayton with "Behavior of Female Cicada Killers during Mating Season," which was presented at the Southwest Association of Naturalists.

THOMAS TICICH, Assistant Professor of Chemistry, worked with John Hyatt on "Photophysics of the Dissociation of Timethyldoxetane from High Vibrational Levels," which was presented at the 11th National Conference on Undergraduate Research.

1997 STUDENT RESEARCH FORUM

OVERALL WINNER: Keegan McConnell, "Exercising the Abdominals, Out with the Old and in with the New"

SCIENCE DIVISION

1ST PLACE: Jennifer Pearson, "The Impact of Hydrocarbon and Saltwater Spillage on Water and Sediment in the Caddo Lake Region, Louisiana"

2ND PLACE: Kate Dayton, "Behavioral Changes in Cicada Killer Wasps (*sphecus speciosus*) during the Mating Season"

HUMANITIES DIVISION

1ST PLACE: Summer Neel, "Fat or Fiction: How the Media Encourages Eating Disorders"

2ND PLACE: Emily Glass, "The Right to Advertise"

SOCIAL SCIENCES DIVISION

No participation

POSTERS

1ST PLACE: Kate Dayton, "Observing the Combined Effects of Ultraviolet Radiation and Water Pollution on the Salamander *Triturus Viridescens*"

2ND PLACE: Scott Matthews, "The Geochemistry of the Banbury Basalts of the King Hill Area of Southern Idaho"

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CENTENARY COLLEGE OF LOUISIANA

P.O. Box 41188 Shreveport, LA 71134-1188